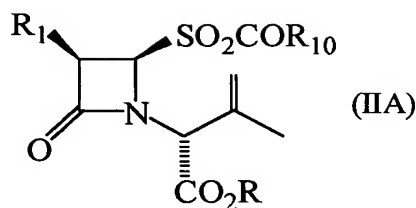


We claim:

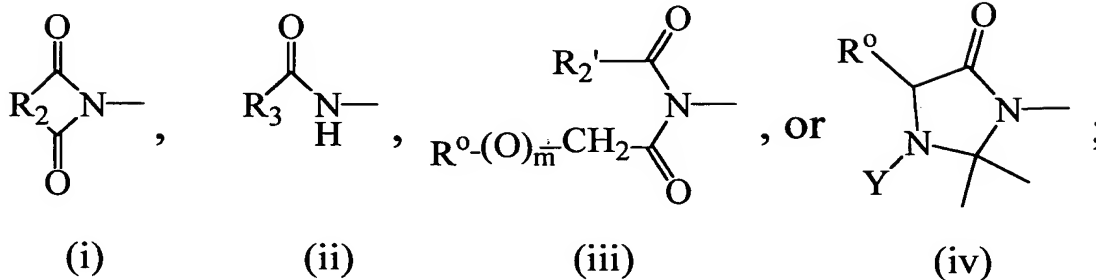
1. A compound of Formula IIA:



wherein:

R is a carboxylic acid protecting group;

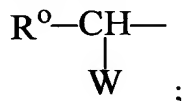
R<sub>1</sub> is a group of the formula;



R<sub>2</sub> is C<sub>2</sub>-C<sub>4</sub> alkenylene, C<sub>2</sub>-C<sub>4</sub> alkylene, 1,2-phenylene, or 1,2-cyclohexenylene;

R<sub>2</sub>' is C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, or 2,2,2-trichloroethoxy;

R<sub>3</sub> is hydrogen, C<sub>1</sub>-C<sub>3</sub> alkyl, halomethyl, cyanomethyl, 3-(2-chlorophenyl)-5-methylisoxazol-4-yl, benzyloxy, 4-nitrobenzyloxy, 2,2,2-trichloroethoxy, tert-butoxy, 4-methoxybenzyloxy, phenyl, substituted phenyl, a group of the formula R<sup>0</sup>-(Q)<sub>m</sub>-CH<sub>2</sub>-, a heteroarylmethyl group of the formula R''CH<sub>2</sub>-, or a substituted group of the formula



R<sup>0</sup> is phenyl, substituted phenyl, 2-thienyl, 3-thienyl, or 1,4-cyclohexyldienyl;

R'' is 2-furyl, 3-furyl, 2-thiazolyl, or 5-isoxazolyl;

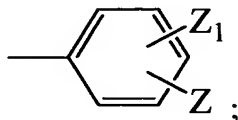
m is 0 or 1,

Q is O or S;

W is protected hydroxy, or protected amino;

Y is hydrogen, acetyl, or nitroso;

R<sub>10</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> polyfluoroalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, adamantyl, phenyl, substituted phenyl, phenyl(C<sub>1</sub>-C<sub>3</sub> alkyl), diphenylmethyl, or substituted phenyl(C<sub>1</sub>-C<sub>3</sub> alkyl), or a group of the formula

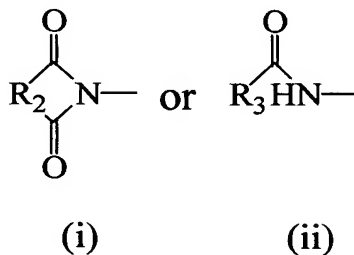


Z is solid polymer support; and

Z<sub>1</sub> is one or two groups independently selected from the group consisting of hydrogen, halo, hydroxy, protected hydroxy, nitro, cyano, trifluoromethyl, C<sub>1</sub>-C<sub>4</sub> alkyl, and C<sub>1</sub>-C<sub>4</sub> alkoxy.

2. A compound of claim 1 wherein:

R<sub>1</sub> is a group of the formula



3. A compound of claim 2 wherein:

R<sub>1</sub> is phthalimido, phenoxyacetyl amino, or phenylacetyl amino.

4. A compound of claim 1 wherein:

R<sub>10</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, phenyl, or substituted phenyl.

5. A compound of claim 4 wherein:

R<sub>10</sub> is methyl, phenyl, or t-butyl.

6. A compound of claim 1 wherein:

R is C<sub>1</sub>-C<sub>6</sub> alkyl, phenyl, benzyl, p-nitrobenzyl, p-methoxybenzyl, diphenylmethyl, or trichloroethyl.

7. A compound of claim 6 wherein:

R<sub>1</sub> is phthalimido, phenoxyacetyl amino, or phenylacetyl amino; and

R<sub>10</sub> is methyl, phenyl, or t-butyl.